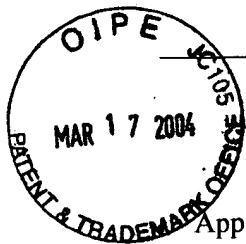


Date: March 4, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Simard, et al.
Appl. No. : 10/657,022
Filed : September 5, 2003
For : EPITOPE SEQUENCES
Examiner : Unknown
Group Art Unit : 1645

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March 4, 2004

(Date)

Marc T. Morley, Reg. No. 52,051

TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 listing ninety-five (95) references; seventy-two (72) of which are enclosed.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

Marc T. Morley
Registration No. 52,051
Attorney of Record
Customer No. 20,995
(619) 235-8550

INFORMATION DISCLOSURE STATEMENT

Applicant	:	Simard, et al.
App. No.	:	10/657,022
Filed	:	September 5, 2003
For	:	EPITOPE SEQUENCES
Examiner	:	Unknown
Group Art Unit	:	1645

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing ninety-five (95) references; seventy-two (72) of which are enclosed. Copies of disclosed U.S. patents and/or publications are not included pursuant to PTO waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of other references, if listed, are enclosed.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: March 4, 2004

By: M. T. Morley
Marc T. Morley
Registration No. 52,051
Attorney of Record
Customer No. 20,995
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1.	5,683,886	11/04/97	van der Brugger, et al.			
	2.	5,342,774	03/30/94	Boon, et al.			
	3.	5,445,939	08/29/95	Anderson			
	4.	5,538,866	07/23/96	Israeli, et al.			
	5.	5,571,711	11/05/96	van der Bruggen, et al.			
	6.	5,610,013	03/11/97	Van den Eynde, et al.			
	7.	5,635,363	06/03/97	Altman, et al.			
	8.	5,648,226	07/15/97	Van den Eynde, et al.			
	9.	5,656,446	08/12/97	Anderson			
	10.	5,747,271	05/05/98	Boon-Falleur, et al.			
	11.	5,804,381	09/08/98	Chen, et al.			
	12.	5,830,753	11/03/98	Coulie, et al.			
	13.	5,830,755	11/03/98	Nishimura, et al.			
	14.	5,844,075	12/01/98	Kawakami, et al.			
	15.	5,856,136	01/05/99	Au-Young			
	16.	5,858,689	01/12/99	van der Bruggen, et al.			
	17.	5,935,818	08/10/99	Israeli, et al.			
	18.	5,993,828	11/30/99	Morton			
	19.	6,013,481	01/11/00	DeBacker, et al.			
	20.	6,015,884	01/18/00	Schneck, et al.			
	21.	6,025,191	02/15/00	Pfreundschuh			
	22.	6,069,001	05/30/00	Van den Eynde, et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	23.	WO 97/41440	11/06/97	PCT				

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	24.	WO 99/02183	01/21/99	PCT				
	25.	WO 01/82963	11/08/01	PCT				
	26.	WO 02/081646	10/17/02	PCT				
	27.	WO 02/069907	02/12/02	PCT				
	28.	WO 02/062368	08/15/02	PCT				
	29.	WO 03/063770	08/07/03	PCT				

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	30.	Aharoni, et al. "Immunomodulation of experimental allergic encephalomyelitis by antibodies to the antigen-la complex." <i>Nature</i> . 351: 147-150, (1991).
	31.	Ambrosini, G. et al. "A novel anti-apoptosis gene, survivin, expressed in cancer and lymphoma," [Abstract]. <i>Nat. Med.</i> 3: 917-921, (1997).
	32.	Andersen, et al. "A recombinant antibody with the antigen-specific, major histocompatibility complex-restricted specificity of T cells." <i>Proc. Natl. Acad. Sci. USA</i> . 93: 1820-1824, (1996).
	33.	Borsi, L. et al. "Differential Expression of the Fibronectin Isoform Containing the ED-B Oncofetal Domain in Normal Human Fibroblast Cell Lines Originating from Different Tissues." <i>Exp. Cell Res.</i> 199: 98-105, (1992).
	34.	Carnemolla, B. et al. "A Tumor-associated Fibronectin Isoform Generated by Alternative Splicing of Messenger RNA Precursors." <i>J. Cell Biol.</i> 108: 1139-1148, (1989).
	35.	Castellani, P. et al. "The Angiogenesis Marker ED-B+ Fibronectin Isoform in Intracranial Meningiomas." <i>Acta Neurochir. (Wien)</i> 142: 277-282, (2000).
	36.	Castellani, P. et al. "The Fibronectin Isoform Containing the ED-B Oncofetal Domain: A Marker of Angiogenesis." <i>Int. J. Cancer</i> 59: 612-618, (1994).
	37.	Cebon, et al. "Phase I Studies of Immunization with Melan-A and IL-12 in HLA A2+ Positive Patients with Stage III and IV Malignant Melanoma," [Abstract 1680], American Society of Clinical Oncology 35 th annual Meeting, Atlanta (1999).
	38.	Chaux, et al. "Identification of Five MAGE-A1 Epitopes Recognized by Cytolytic T Lymphocytes Obtained by <i>In Vitro</i> with Dendritic Cells Transduced with MAGE-A1," <i>J. Immunol.</i> 163(5): 2928-2936 (1999).
	39.	Chen, et al. "Identification of NY-ESO-1 Peptide Analogues Capable of Improved Stimulation of Tumor-Reactive CTL1." <i>J. Immunol.</i> 165: 948-955, (2000.).
	40.	Chevalier. "Increased Expression of the Ed-B-Containing Fibronectin (An Embryonic Isoform of Fibronectin) in Human Osteoarthritic Cartilage." <i>Br. J. Rheumatol.</i> 35: 407-415, (1996).
	41.	Chung et al. "Induction of Cytotoxic T Lymphocytes with Peptides <i>In Vitro</i> : Identification of Candidate T-Cell Epitopes in Hepatitis B Virus X Antigen." <i>J. Immunother.</i> 22: 279-287, (1999).
	42.	Chung, D. H., et al. "NK and CTL Recognition of a Single chain H-2D Molecule: Distinct Sites of H-2D Interact with NK and TCR." <i>J. Immunol.</i> 163: 3699-3708, (1999).

EXAMINER

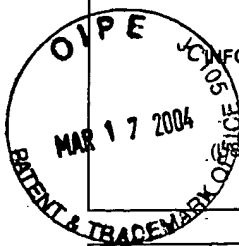
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
(Listed only)t	43.	"Measurement of MHC/Peptide Interactions by Gel Filtration." <i>Current Protocols in Immunology</i> , John Wiley and Sons, New York, 18.3.1-18.3.19, (1998).
	44.	Dadaglio, et al. "Characterization and Quantitation of Peptide-MHC Complexes Produced from Hen Egg Lysozyme Using a Monoclonal Antibody." <i>Immunity</i> . 6: 727-738, (1997).
	45.	Dela Cruz, et al. "Creating HIV-1 reverse transcriptase cytotoxic T lymphocyte target structures by HLA-A2 heavy chain modifications." <i>Int. Immunol.</i> 12:1293-1302, (2000).
	46.	Di Fiore, et al. "erbB-2 is a Potent Oncogene When Overexpressed in NIH/3T3 Cells." <i>Science</i> . 237: 178-182, (1987).
	47.	Dietrich, et al. "Delivery of antigen-encoding plasmid DNA into the cytosol of macrophages by attenuated suicide <i>Listeria monocytogenes</i> ." <i>Nat. Biotech.</i> 16: 181-185, (1998).
	48.	Duc, et al. "Monoclonal antibodies directed against T cell epitopes presented by class I MHC antigens." <i>Int. Immunol.</i> 5: 427-431, (1993).
	49.	Eastman, et al. "A study of complexes of class II invariant chain peptide: major histocompatibility complex class II molecules using a new complex-specific monoclonal antibody." <i>Eur. J. Immunol.</i> 26: 385-393, (1996).
	50.	Engberg, et al. "Recombinant antibodies with the antigen-specific, MHC restricted specificity of T cells: novel reagents for basic and clinical investigations and immunotherapy." <i>Immunotechnology</i> . 4: 273-278, (1999).
	51.	Farnoud, M.R. et al. "Fibronectin Isoforms are Differentially Expressed in Normal and Adenomatous Human Anterior Pituitaries." <i>Int. J. Cancer</i> . 61: 27-34, (1995).
	52.	Franco, et al. "Epitope affinity for MHC class I determines helper requirement for CTL priming." <i>Nature Immunol.</i> 1(2): 145-150, (2002).
	53.	Gabler, U. et al. "Matrix remodeling in dilated cardiomyopathy entails the occurrence of oncofetal fibronectin molecular variants." <i>Heart</i> . 75: 358-362, (1996).
	54.	Gold and Freedman. "Demonstration of Tumor-Specific Antigens in Human Colonic Carcinomata by Immunological Tolerance and Absorption Techniques." <i>J. Exp. Med.</i> 121: 439-462, (1965). Fuller references can be found in the Online Medelian Inheritance in Man; record *114890.
	55.	Gure, A.O. et al. "SSX: A Multigene Family with Several Members Transcribed in Normal Testis and Human Cancer." <i>Int. J. Cancer</i> . 72: 965-971, (1997).
	56.	Kaczmarek, et al. "Distribution of Oncofetal Fibronectin Isoforms in Normal, Hyperplastic and Neoplastic Human Breast Tissues." <i>Int. J. Cancer</i> . 59: 11-16, (1994).
	57.	Kalergis, et al. "Efficient T cell activation requires an optimal dwell-time of interaction between the TCR and the pMCH complex." <i>Nature Immunol.</i> 2: 229-234, (2001).
	58.	Karelina, T.V. and A.Z. "Interstitial Collagenase and the ED-B Oncofetal Domain of Fibronectin Are Markers of Angiogenesis in Human Skin Tumors." <i>Cancer Detect. Prev.</i> 22: 438-444, (1998).
	59.	Lebowitz, M.S. et al. "Soluble, High-Affinity Dimers of T-Cell Receptors and Class II Major Histocompatibility Complexes: Biochemical Probes for Analysis and Modulation of Immune Responses." <i>Cell Immunol.</i> 192: 175-184, (1999).
	60.	Lee, et al. "Functional cell surface expression by a recombinant single-chain class I major histocompatibility complex molecule with a cis-active β_2 -microglobulin domain." <i>Eur. J. Immunol.</i> 24: 2633, (1994).
	61.	Loridon-Rosa, et al. "Distribution of Oncofetal Fibronectin in Human Mammary Tumors: Immunofluorescence Study on Histological Sections." <i>Cancer Res.</i> 50: 1608-1612, (1990).
	62.	Madden. "The Three-Dimensional Structure of Peptide-MHC Complexes." <i>Annu. Rev. Immunol.</i> 13: 587-622, (1995).

EXAMINER

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OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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| 63. | Mage, et al. "A recombinant, soluble, single-chain class I major histocompatibility complex molecule with biological activity." <i>Proc. Natl. Acad. Sci. USA.</i> 89: 10658, (1992). |
| 64. | Mandel, et al. "Oncofetal fibronectins in oral carcinomas: Correlation of two different types." <i>APMIS.</i> 102: 695-702, (1994). |
| 65. | Matsuura, H. and S. Hakomori. "The oncofetal domain of fibronectin defined by monoclonal antibody FDC-6: Its presence in fibronectins from fetal and tumor tissues and its absence in those from normal adult tissues and plasma." <i>Proc. Natl. Acad. Sci. USA.</i> 82: 6517-6521, (1985). |
| 66. | Midulla. "Source of Oncofetal ED-B-containing Fibronectin: Implications of Production by Both Tumor and Endothelial Cells." <i>Cancer Res.</i> 60: 164-169, (2000). |
| 67. | Mottez, et al. "Cells Expressing a Major Histocompatibility Complex Class I Molecule with a Single Covalently Bound Peptide Are Highly Immunogenic." <i>J. Exp. Med.</i> 181: 493, (1995). |
| 68. | Neri, et al. "Targeting by affinity-matured recombinant antibody fragments of an angiogenesis associated fibronectin isoform." <i>Nat. Biotech.</i> 15:1271-1275, (1997). |
| 69. | Nicolo, et al. "Expression of tenascin and of the ED-B containing oncofetal fibronectin isoform in human cancer." <i>Cell Differ. Dev.</i> 32: 401-408, (1990). |
| 70. | Oehen, et al. "Antiviral protection after DNA vaccination is short lived and not enhanced by CpG DNA." <i>Immunology.</i> 99, 163-169, (2000). |
| 71. | Oyama, F. et al. "Coordinate Oncodevelopmental Modulation of Alternative Splicing of Fibronectin Pre-Messenger RNA at ED-A, ED-B, and CS1 Regions in Human Liver Tumors1." <i>Cancer Res.</i> 53: 2005-2011, (1993). |
| 72. | Parker, et al. "Scheme for ranking potential HLA-A2 binding peptides based on independent binding of individual peptide side-chains." <i>J. Immunol.</i> 152: 163, (1994). |
| 73. | Plaksin, D. et al. "A Three-Domain T Cell Receptor Is Biologically Active and Specifically Stains Cell Surface MHC/Peptide Complexes 1,2." <i>J. Immunol.</i> 158: 2218-2227, (1997). |
| 74. | Polakova, K., et al. "Antibodies Directed Against the MHC-1 Molecule H-2Dd Complexed with an Antigenic Peptide: Similarities to a T Cell Receptor with the Same Specificity1." <i>J. Immunol.</i> 165: 342-348, (2000). |
| 75. | Porgdor, et al. "Localization, Quantitation, and In Situ Detection of Specific Peptide-MHC Class I Complexes Using a Monoclonal Antibody." <i>Immunity.</i> 6: 715-726, (1997). |
| 76. | Pujuguet, P. et al. "Expression of Fibronectin ED-A+and ED-B+ Isoforms by Human and Experimental Colorectal Cancer." <i>Am. J. Pathol.</i> 148: 579-592, (1996). |
| 77. | Puri, et al. "Modulation of the Immune Response in Multiple Sclerosis." <i>J. Immunol.</i> 158: 2471-2476, (1997). |
| 78. | Salgaller et al. "Recognition of Multiple Epitopes in the Human Melanoma Antigen gp100 by Peripheral Blood Lymphocytes Stimulated In Vitro with Synthetic Peptides." <i>Cancer Res.</i> 55: 4972-4979, (1995). |
| 79. | Scheinberg, et al. "BCR-ABL Breakpoint Derived Oncogene Fusion Peptide Vaccines Generate Specific Immune Responses in Patients with Chronic Myelogenous Leukemia (CML)," [Abstract 1665], American Society of Clinical Oncology 35 th Annual Meeting, Atlanta (1999). |
| 80. | Serwold, et al. "ER aminopeptidases generate a unique pool of peptides for MHC class I molecules." <i>Nature Immunol.</i> 2: 644-651, (2001). |
| 81. | Slamon, et al., "Use of Chemotherapy Plus a Monoclonal Antibody Against Her2 for Metastatic Breast Cancer that Overexpresses Her2. <i>New.Eng. J. Med.</i> 344: 783-792, (2001). A more detailed description is available in the Online Medelian Inheritance in Man; record *164870 |
| 82. | Stauss et al. "Induction of Cytotoxic T Lymphocytes with Peptides In Vitro: Identification of Candidate T-cell Epitopes in Human Papilloma Virus." <i>Proc. Natl. Acad. Sci. USA.</i> 89: 7871-7875, (1992). |

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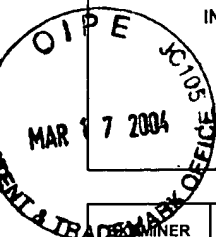
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	83.	Tarli, L. et al. "A High-Affinity Human Antibody That Targets Tumoral Blood Vessels." <i>Blood</i> . 94: 192-198, (1999).
	84.	Toshitani, K., et al. "Expression of a single-chain HLA class I molecule in a human cell line: Presentation of exogenous peptide and processed antigen to cytotoxic T lymphocytes." <i>Proc. Natl. Acad. Sci. USA</i> . 93: 236, (1996).
	85.	Tsai, et al. "Identification of Subdominant CTL Epitopes of the GP100 Melanoma-Associated Tumor Antigen by Primary In Vitro Immunization with Peptide-Pulsed Dendritic Cells." <i>J. Immunol.</i> 158: 1796-1802, (1997).
	86.	Tureci, O., et al. "Identification of a meiosis-specific protein as a member of the class of cancer/testis antigens." <i>Proc. Natl. Acad. Sci. USA</i> . 95: 5211-5216, (1998).
	87.	Uger, R. A. and B. H. Barber. "Creating CTL Targets with Epitope-Linked β_2 -Microglobulin Constructs1." <i>J. Immunol.</i> 160: 1598, (1998).
	88.	Uger, R. A., et al. "Covalent Linkage to β_2 -Microglobulin Enhances the MHC Stability and Antigenicity of Suboptimal CTL Epitopes1." <i>J. Immunol.</i> 162: 6024, (1999).
	89.	Van de Vijver, et al. "Association with Comedo-type Ductal Carcinoma in Situ and Limited Prognostic Value in Stage II Breast Cancer." <i>New Eng. J. Med.</i> 319: 1239-1245, (1988).
	90.	Van den Eynde, B., et al. "Differential Processing of Class-1-Restricted Epitopes by the Standard Proteasome and the Immunoproteasome." <i>J. Exp. Med.</i> 182: 689-698, (1995).
	91.	Velculiscu V.E. et al. "Analysis of human transcriptomes." <i>Nat. Genet.</i> 23: 387-388, (1999).
	92.	Vose, J.M. "Tumor Antigens Recognized by T Lymphocytes," 10 th European Cancer Conference, Day 2, Sept 14, (1999).
	93.	White, J., et al. "Soluble Class I MHC with β_2 -Microglobulin Covalently Linked Peptides: Specific Binding to a T Cell Hybridoma1." <i>J. Immunol.</i> 162: 2671, (1999).
	94.	Yee, C. et al. "In vivo tracking of tumor-specific T cells." <i>Current Opinion in Immunology</i> . 13: 141-146, (2001),
	95.	Yu, Y.L.Y., et al. "Cutting Edge: Single-Chain Trimers of MHC Class I Molecules Form Stable Structures That Potently Stimulate Antigen-Specific T Cells and B Cells1." <i>J. Immunol.</i> 168: 3145-3149, (2002).

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